

In the Claims

The status of claims in the case is as follows:

1 1. [Currently amended] A systems integration method
2 enabling consistency to integrated application solution
3 design and delivery across different engagements with
4 comparable and reusable results, comprising the steps of:

5 providing a collection of databases on a network
6 accessible via a terminal application a domain
7 database, a work product description database, a method
8 process description database, an engagement model
9 database, an engagement family database, and engagement
10 template database;

11 said domain database comprising a logical grouping of
12 said work product descriptions, including application,
13 architecture, business, engagement, organization,
14 operations, external assets, and requirements;

15 said method process description database comprising a
16 set of method process descriptions for describing how
17 each of a plurality of hardware, software, and process

components comprising application solutions are to be
designed, developed, and implemented; and further
phase, activity, and task databases for use in
decomposing a development and delivery process into a
hierarchy of steps of a default project plan; said
phase including a set of activities for a contract with
a customer; said activity including a grouping of
related tasks for sequencing work effort and managing
complexity within a phase; said task being a unit of
work estimated and scheduled for producing a work
product;

said engagement template database comprising a
collection of templates, each template a result of
tailoring a specific engagement models for use;

said work product description database comprising a set
of work product descriptions for defining a set of said
components for each tangible artifact produced and
consumed in connection with a specific application
solution, each said work product description specifying
purpose, description, notation, example, development
approach, validation and verification guidelines,
advice and guidance, estimating considerations, and

references, said descriptions of work products being
produced on engagements as a basis for method adoption,
method integration, and harvesting and structuring of
intellectual capital for application to new market
engagement models;

said engagement model database comprising a plurality
of template project plans, each for a specific service
offering and engagement; said engagement family
database comprising methodology descriptions each
including one or more engagement models; with at least
one engagement model providing an abstract
representation of all process and work products needed
to build components of said integrated application,

separating said work product descriptions from said
process descriptions and relating them through an
engagement model and an engagement template by a three
phase process including:

in a first phase, building a database of said
engagement models based on best-of-breed concepts
for addressing overall market place requirements,
said database of engagement models including

61 method process abstractions specifying how to
62 create application solutions in a variety of
63 scenarios;

64 in a second phase, developing a definition of
65 client requirements and an ~~attack~~ approach
66 hypothesis for addressing said client requirements
67 across all possible combinations of technology by
68 selecting from said database an appropriate
69 engagement model for addressing said client
70 requirements and defining a fit parameter;
71 utilizing said engagement model to create said
72 engagement template which addresses requirements
73 of a specific client within said market place
74 including adding, deleting and modifying work
75 product descriptions and process descriptions as
76 required to optimize said fit parameter; and

77 in a third phase, measuring, monitoring and
78 controlling client engagements based upon said
79 engagement template including utilizing said
80 engagement templates to define and collect metrics
81 including risk parameters, cost parameters, and
82 customer satisfaction parameters across a

83 plurality of engagement models for optimizing the
84 defining and estimating of projects, and
85 responsive to said metrics, managing a family of
86 said engagement models, including adjusting market
87 ~~attack~~ approach plans and allocation of
88 constrained resources responsive to said family of
89 engagement models.

1 2. [Original] The systems integration method of claim 1,
2 said first phase further comprising the steps of:

3 enabling a generic engagement model for addressing said
4 market place requirements; and

5 generating work product descriptions specified by said
6 engagement model.

1 3. [Original] The systems integration method of claim 2,
2 said generic engagement mode including definitions of best
3 practices and reusable assets.

1 4. [Currently amended] The systems integration method of
2 claim 2, said second phase further including the steps of:

3 creating an engagement template personalized to a
4 specific client engagement from said engagement model;

5 creating ~~attack~~ approach, resource, and deployment
6 plans for said specific client engagement using said
7 engagement template.

1 5. [Original] The systems integration method of claim 4,
2 said third phase further including the step of:

3 cyclically redefining said engagement template while
4 deploying said work product descriptions and process
5 descriptions to said client engagement.

1 6. [Currently amended] The systems integration method of
2 claim 5, said third phase further including the steps of:

3 monitoring performance of said client engagement; and

4 based upon said performance, allocating resources to
5 further ~~attack~~ approach said marketplace requirement.

1 7. [Withdrawn] A method for defining an engagement model,
2 comprising the steps of:

3 responsive to recognition of a market opportunity,
4 accessing a database of current engagement families to
5 identify an engagement family corresponding to said
6 market opportunity;

7 upon determining that a current engagement family does
8 not exist appropriate to said market opportunity,
9 developing a new engagement model including iteratively
10 defining and applying to said new engagement model
11 required process descriptions and work product
12 descriptions.

1 8. [Withdrawn] The method of claim 7, further comprising
2 the step responsive to determining that a current engagement
3 family does exist appropriate to said market opportunity,
4 adapting an existing engagement model to said market
5 opportunity including iteratively modifying and applying to
6 said existing engagement model required process descriptions
7 and work product descriptions.

1 9. [Withdrawn] A method for utilizing an engagement
2 model, said engagement model including work product
3 descriptions and process descriptions, comprising the steps
4 of:

5 providing a database of said engagement models;

6 developing a definition of client requirements and an
7 attack hypothesis for addressing said client issues;

8 determining whether said database contains an
9 appropriate engagement model for addressing said client
10 issues, including defining a fit parameter;

11 responsive to said fit parameter, making a bid/no bid
12 decision;

13 responsive to a bid decision, creating from said
14 appropriate engagement model an engagement template.

1 10. [Withdrawn] The method of claim 9, said step for
2 creating said engagement template further including the
3 steps of:

4 applying said appropriate engagement model to said
5 client requirements; and

6 adding, deleting and modifying work product
7 descriptions and process descriptions as required to

8 optimize said fit parameter.

1 11. [Withdrawn] The method of claim 10, further comprising
2 the steps of:

3 utilizing said engagement templates to define and
4 collect metrics across a plurality of engagement
5 models; and

6 responsive to said metrics, managing a family of said
7 engagement models, including adjusting market attack
8 plans and the allocation of constrained resources
9 responsive to the health of said family of engagement
10 models.

1 12. [Withdrawn] The method of claim 11, said metrics
2 including risk parameters, cost parameters, and customer
3 satisfaction parameters.

1 13. [Currently amended] A system for providing integrated
2 system solutions enabling consistency to integrated
3 application solution design and delivery across different
4 engagements with comparable and reusable results,
5 comprising:

6 a collection of databases on a network accessible via a
7 terminal application a domain database, a work product
8 description database, a method process description
9 database, an engagement model database, an engagement
10 family database, and engagement template database;

11 said domain database comprising a logical grouping of
12 said work product descriptions, including application,
13 architecture, business, engagement, organization,
14 operations, external assets, and requirements;

15 said method process description database comprising a
16 set of method process descriptions for describing how
17 ~~to create~~ each of a plurality of hardware, software,
18 and process components comprising application solutions
19 are to be designed, developed, and implemented; and
20 further phase, activity, and task databases for use in
21 decomposing a development and delivery process into a
22 hierarchy of steps of a default project plan; said
23 phase including a set of activities for a contract with
24 a customer; said activity including a grouping of
25 related tasks for sequencing work effort and managing
26 complexity within a phase; said task being a unit of
27 work estimated and scheduled for producing a work

28 product;

29 said engagement template database comprising a
30 collection of templates, each template a result of
31 tailoring a specific engagement models for use;

32 said work product description database comprising a set
33 of work product descriptions for defining a set of said
34 components for each tangible artifact produced and
35 consumed in connection with a specific application
36 solution, each said work product description specifying
37 purpose, description, notation, example, development
38 approach, validation and verification guidelines,
39 advice and guidance, estimating considerations, and
40 references, said descriptions of work products being
41 produced on engagements as a basis for method adoption,
42 method integration, and harvesting and structuring of
43 intellectual capital for application to new market
44 engagement models;

45 said engagement model database comprising a plurality
46 of template project plans, each for a specific service
47 offering and engagement; said engagement family
48 database comprising methodology descriptions each

49 including one or more engagement models; with at least
50 one engagement model providing an abstract
51 representation of all process and work products needed
52 to build components of said integrated application,
53 each said engagement model collecting at least one said
54 process description and at least one said work product
55 description through a three phase process into a model
56 for implementing a typical project addressing a type of
57 marketplace requirement, said three phase process
58 including

59 in a first phase, building a database of
60 engagement models which will be used to address
61 said market requirement, said database of
62 engagement models including method process
63 abstractions specifying how to create application
64 solutions in a variety of scenarios;

65 in a second phase, developing a definition of
66 client requirements across all possible
67 combinations of technology and an ~~attack~~ approach
68 hypothesis for addressing said client requirements
69 by selecting from said database an appropriate
70 engagement model for addressing said client

71 requirements and defining a fit parameter;
72 utilizing said engagement model to create an
73 engagement template which specifically addresses a
74 more specific set of client project requirements
75 within said market place including adding,
76 deleting and modifying work product descriptions
77 and process descriptions with respect to said
78 model and template as required to optimize said
79 fit parameter to client project needs; and

80 in a third phase, measuring, monitoring and
81 controlling client engagements based upon said
82 engagement template including utilizing said
83 engagement templates to define and collect metrics
84 including risk parameters, cost parameters, and
85 customer satisfaction parameters across a
86 plurality of engagement models for optimizing the
87 defining and estimating of projects, and
88 responsive to said metrics, managing a family of
89 said engagement models, including adjusting market
90 ~~attack~~ approach plans and allocation of
91 constrained resources responsive to said family of
92 engagement models.

1 14. [Original] The system of claim 13, further comprising:

2 at least one engagement family including a plurality of
3 said engagement models for addressing a family of
4 typical projects.

1 15. [Original] The system of claim 13, further comprising:

2 a plurality of work product descriptions organized into
3 a plurality of domains, each said domain being a
4 logical grouping of said work product descriptions.

1 16. [Original] The system of claim 15, said domains
2 including an application domain, an architecture domain, a
3 business domain, an engagement domain, an organization
4 domain, and an operations domain.

1 17. [Original] The system of claim 13, said work product
2 descriptions describing what to develop for a specific
3 project and said process description describing how to
4 develop said specific project.

1 18. [Original] The system of claim 17, said process
2 descriptions further comprising phase descriptions, activity

3 descriptions and task descriptions.

1 19. [Original] The system of claim 18, further comprising
2 at least one engagement template derived from one of said
3 engagement models for defining said work product
4 descriptions and said process descriptions for a specific
5 engagement project.

1 20. [Original] The system of claim 16, said application
2 domain organizing work product descriptions relating to the
3 design, development and testing of computer software
4 components, applications and systems.

1 21. [Original] The system of claim 16, said architecture
2 domain organizing work product descriptions relating to the
3 architecture of an information technology system for
4 addressing business and infrastructure requirements.

1 22. [Original] The system of claim 16, said business
2 domain organizing work product descriptions relating to the
3 structured investigation of current and desired situations
4 with a client' business.

1 23. [Original] The system of claim 16, said engagement

2 domain organizing work product descriptions relating to
3 project management and technical delivery for projects
4 worldwide.

1 24. [Original] The system of claim 16, said organization
2 domain organizing work product descriptions relating to
3 technology-based business transformations using
4 systematically defined organization analysis and design and
5 change management practices.

1 25. [Original] The system of claim 16, said operations
2 domain organizing work product descriptions relating to the
3 execution and management of information technology services
4 and resources and to the protection of information
5 technology assets.

1 26. [Currently amended] A program storage device readable
2 by a machine, tangibly embodying a program of instructions
3 executable by a machine to perform method steps for
4 providing systems integration enabling consistency to
5 integrated application solution design and delivery across
6 different engagements with comparable and reusable results,
7 said method steps comprising:

8 providing a collection of databases on a network
9 accessible via a terminal application a domain
10 database, a work product description database, a method
11 process description database, an engagement model
12 database, an engagement family database, and engagement
13 template database;

14 said domain database comprising a logical grouping of
15 said work product descriptions, including application,
16 architecture, business, engagement, organization,
17 operations, external assets, and requirements;

18 said method process description database comprising a
19 set of method process descriptions for describing how
20 each of a plurality of hardware, software, and process
21 components comprising application solutions are to be
22 designed, developed, and implemented; and further
23 phase, activity, and task databases for use in
24 decomposing a development and delivery process into a
25 hierarchy of steps of a default project plan; said
26 phase including a set of activities for a contract with
27 a customer; said activity including a grouping of
28 related tasks for sequencing work effort and managing
29 complexity within a phase; said task being a unit of

work estimated and scheduled for producing a work
product;

said engagement template database comprising a
collection of templates, each template a result of
tailoring a specific engagement models for use;

said work product description database comprising a set
of work product descriptions for defining a set of said
components for each tangible artifact produced and
consumed in connection with a specific application
solution, each said work product description specifying
purpose, description, notation, example, development
approach, validation and verification guidelines,
advice and guidance, estimating considerations, and
references, said descriptions of work products being
produced on engagements as a basis for method adoption,
method integration, and harvesting and structuring of
intellectual capital for application to new market
engagement models;

said engagement model database comprising a plurality
of template project plans, each for a specific service
offering and engagement; said engagement family

database comprising methodology descriptions each
including one or more engagement models; with at least
one engagement model providing an abstract
representation of all process and work products needed
to build components of said integrated application;

separating said work product descriptions from said
process descriptions and relating them through an
engagement model and an engagement template by a three
phase process including:

in a first phase, building a database of said
engagement models based on best-of-breed concepts
for addressing overall market place requirements;

in a second phase, developing a definition of
client requirements and an ~~attack~~ approach
hypothesis for addressing said client requirements
by selecting from said database an appropriate
engagement model for addressing said client
requirements and defining a fit parameter;
utilizing said engagement model to create said
engagement template which addresses requirements
of a specific client within said market place

including adding, deleting and modifying work
product descriptions and process descriptions as
required to optimize said fit parameter; and

in a third phase, measuring, monitoring and
controlling client engagements based upon said
engagement template including utilizing said
engagement templates to define and collect metrics
including risk parameters, cost parameters, and
customer satisfaction parameters across a
plurality of engagement models, and responsive to
said metrics, managing a family of said engagement
models, including adjusting market ~~attack~~ approach
plans and allocation of constrained resources
responsive to said family of engagement models.

27. [Withdrawn] A program storage device readable by a
machine, tangibly embodying a program of instructions
executable by a machine to perform method steps for defining
and utilizing an engagement model, said method steps
comprising:

responsive to recognition of a market opportunity,
accessing a database of current engagement families to

8 identify an engagement family corresponding to said
9 market opportunity;

10 upon determining that a current engagement family does
11 not exist appropriate to said market opportunity,
12 developing a new engagement model including iteratively
13 defining and applying to said new engagement model
14 required process descriptions and work product.
15 descriptions;

16 providing a database of said engagement models;

17 developing a definition of client requirements and an
18 attack hypothesis for addressing said client issues;

19 determining whether said database contains an
20 appropriate engagement model for addressing said client
21 issues, including defining a fit parameter;

22 responsive to said fit parameter, making a bid/no bid
23 decision; and

24 responsive to a bid decision, creating from said
25 appropriate engagement model an engagement template.

28. [Canceled]

1 29. [Currently amended] An article of manufacture
2 comprising:

3 a computer useable medium having computer readable program
4 code means embodied therein for providing systems
5 integration, the computer readable program means in said
6 article of manufacture comprising:

7 computer readable program code means for providing a
8 collection of databases on a network accessible via a
9 terminal application a domain database, a work product
10 description database, a method process description
11 database, an engagement model database, an engagement
12 family database, and engagement template database; said
13 domain database comprising a logical grouping of said
14 work product descriptions, including application,
15 architecture, business, engagement, organization,
16 operations, external assets, and requirements; said
17 method process description database comprising a set of
18 method process descriptions for describing how each of
19 a plurality of hardware, software, and process

components comprising application solutions are to be
designed, developed, and implemented; and further
phase, activity, and task databases for use in
decomposing a development and delivery process into a
hierarchy of steps of a default project plan; said
phase including a set of activities for a contract with
a customer; said activity including a grouping of
related tasks for sequencing work effort and managing
complexity within a phase; said task being a unit of
work estimated and scheduled for producing a work
product; said engagement template database comprising a
collection of templates, each template a result of
tailoring a specific engagement models for use; said
work product description database comprising a set of
work product descriptions for defining a set of said
components for each tangible artifact produced and
consumed in connection with a specific application
solution, each said work product description specifying
purpose, description, notation, example, development
approach, validation and verification guidelines,
advice and guidance, estimating considerations, and
references, said descriptions of work products being
produced on engagements as a basis for method adoption,
method integration, and harvesting and structuring of

intellectual capital for application to new market
engagement models; said engagement model database
comprising a plurality of template project plans, each
for a specific service offering and engagement; said
engagement family database comprising methodology
descriptions each including one or more engagement
models; with at least one engagement model providing an
abstract representation of all process and work
products needed to build components of said integrated
application;

~~computer readable program code means for causing a~~
~~computer to effect providing a set of process~~
~~descriptions for describing how to create each of a~~
~~plurality of hardware, software, and process components~~
~~comprising application solutions;~~

~~computer readable program code means for causing a~~
~~computer to effect providing a set of work product~~
~~descriptions for defining a set of said components for~~
~~a specific application solution;~~

computer readable program code means for causing a
computer to effect providing at least one engagement

65 model collecting at least one said process description
66 and at least one said work product description through
67 a three phase process into a model for implementing a
68 typical project addressing a type of marketplace
69 requirement, said three phase process including

70 in a first phase, building a database of
71 engagement models which will be used to address
72 said market requirement;

73 in a second phase, developing a definition of
74 client requirements and an ~~attack~~ approach
75 hypothesis for addressing said client requirements
76 by selecting from said database an appropriate
77 engagement model for addressing said client
78 requirements and defining a fit parameter;
79 utilizing said engagement model to create an
80 engagement template which specifically addresses
81 client requirements within said market place
82 including adding, deleting and modifying work
83 product descriptions and process descriptions as
84 required to optimize said fit parameter; and

85 in a third phase, measuring, monitoring and

86 controlling client engagements based upon said
87 engagement template including utilizing said
88 engagement templates to define and collect metrics
89 including risk parameters, cost parameters, and
90 customer satisfaction parameters across a
91 plurality of engagement models, and responsive to
92 said metrics, managing a family of said engagement
93 models, including adjusting market ~~attack~~ approach
94 plans and allocation of constrained resources
95 responsive to said family of engagement models.

1 30. [Withdrawn] A computer program product or computer
2 program element configured to be operable responsive to a
3 customer having requirements for executing process steps for
4 defining and using an engagement model, said engagement
5 model including work product descriptions and process
6 descriptions, said process steps comprising:

7 providing a database of said engagement models;

8 developing a definition of client requirements and an
9 attack hypothesis for addressing said client issues;

10 determining whether said database contains an

11 appropriate engagement model for addressing said client
12 issues, including defining a fit parameter;

13 responsive to said fit parameter, making a bid/no bid
14 decision;

15 responsive to a bid decision, creating from said
16 appropriate engagement model an engagement template;

17 applying said appropriate engagement model to said
18 client requirements;

19 adding, deleting and modifying work product
20 descriptions and process descriptions as required to
21 optimize said fit parameter;

22 utilizing said engagement templates to define and
23 collect metrics across a plurality of engagement
24 models; and

25 responsive to said metrics, managing a family of said
26 engagement models, including adjusting market attack
27 plans and the allocation of constrained resources
28 responsive to the health of said family of engagement

